Amendments to The Claims

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (original) A method of screening for and /or diagnosis of a cardiovascular disorder in a subject, comprising the steps of:

i) detecting and /or quantifying the level of a polypeptide in a biological sample from said subject, wherein the polypeptide is selected from:

a. a polypeptide comprising the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:4;

b. a variant, with at least 75% sequence identity, having one or more amino acid substitutions, deletions or insertions relative to the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:4; and

c. a fragment of a polypeptide as defined in i) or ii) above which is a least seven amino acids long; and

ii) comparing said level to that of a control sample,

wherein an increase in said level relative to that of the control is indicative of a cardiovascular disorder.

2. (original) A method of predicting a cardiovascular disorder in a subject, comprising the steps of:

i) detecting and /or quantifying the level of a polypeptide in a biological sample from said subject, wherein the polypeptide is selected from:

a. a polypeptide comprising the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:4;

b. a variant, with at least 75% sequence identity, having one or more amino acid substitutions, deletions or insertions relative to the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:4; and

c. a fragment of a polypeptide as defined in i) or ii) above which is a least seven amino acids long; and

ii) comparing said level to that of a control sample,

wherein an increase in said level relative to that of the control indicates a risk of developing a cardiovascular disorder.

3. (currently amended) The method of claim 1 ~~or 2~~, wherein said cardiovascular disorder is Coronary Artery Disease (CAD).

4. (currently amended) The method of ~~any one of~~ claims ~~1-3~~, wherein said biological sample is plasma.

5. (currently amended) The method of ~~any one of~~ claims ~~1-4~~, wherein said polypeptide is detected and /or quantified by mass spectrometry.

6. (currently amended) The method of ~~any one of~~ claims ~~1 to 4~~, wherein said polypeptide is detected and /or quantified by Enzyme-Linked Immuno Sorbent Assay.

7. (original) An isolated polypeptide comprising the amino acid sequence selected from the group consisting of:

   i) SEQ ID NOs:1-10; and

   ii) a variant of (i), with at least 75% sequence identity, having one or more amino acid substitutions, deletions or insertions relative to the amino acid sequence of (i).

8. (original) The polypeptide of claim 7, wherein said polypeptide is fused to a heterologous polypeptide sequence.

9. (original) An anti-Cardiovascular disorder Plasma Polypeptide (CPP) antibody that selectively binds to a polypeptide comprising the amino acid sequence selected from the group consisting of SEQ ID NOs:1-10.

10. (original) A method of binding an antibody to a Cardiovascular disorder Plasma Polypeptide (CPP) comprising the steps of:

    i) contacting the antibody of claim 9 with a biological sample under conditions that permit antibody binding; and

    ii) removing contaminants.

11. (original) The method of claim 10, wherein said antibody is attached to a label group.

12. (original) The method of claim 10, wherein said sample is human plasma.

13. (original) A method of identifying a Cardiovascular disorder Plasma Polypeptide (CPP) modulator comprising the steps of:

    i) contacting a test compound with a polypeptide selected from the group consisting of SEQ ID NOs:1-10 under sample conditions permissive for at least one CPP biological activity;

    ii) determining the level of said at least one CPP biological activity;

iii) comparing said level to that of a control sample lacking said test compound; and

iv) selecting a test compound which causes said level to change for further testing as a CPP modulator for the prophylactic and/or therapeutic treatment of cardiovascular disorders.